

### ABSTRACT

The present invention discloses a composition of matter consisting of a high impact polystyrene exhibiting improved environmental stress crack resistance. The composition can comprise a rubber-modified polymer formed by the polymerization of a monovinylaromatic monomer in the presence of a rubber selected from the group consisting of natural rubbers, polybutadienes, polyisoprenes, and copolymers of butadienes or isoprene with styrene. At least one ESCR enhancing additive is added chosen from the group consisting of polyisobutylene, polymerized alpha-olefins of at least 10 carbons, atactic polypropylene, or polyolefin copolymers.